

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
WAYNE COUNTY --- MT ERIE [38.52, -88.23]				
	05/01/10 00:00 CST		0	Heavy Rain
	05/01/10 03:00 CST		0	Source: Trained Spotter
The Elm River was out of its banks and starting to go over a road. A spotter reported 1.75 inches of rain in a few hours.				
Thunderstorms persisted from the evening of the 30th into the wee hours of the 1st ahead of an eastward moving cold front over the Ozark Mountains. Abundant deep moisture and a strong shortwave trough over the central Plains promoted locally heavy rainfall in some storms.				
ALEXANDER COUNTY --- 0.6 ESE THEBES [37.22, -89.46], 0.8 SE THEBES [37.21, -89.46], 0.7 SSE THEBES [37.21, -89.46], 0.4 SE THEBES [37.22, -89.46]				
	05/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	05/03/10 18:00 CST		5K	Source: River/Stream Gage
Minor flooding occurred along the Mississippi River around Thebes. Agricultural bottomlands and some woodlands were flooded.				
A large storm system developed over the central Plains, bringing several rounds of very heavy rain to the region between April 30th and May 2nd.				
SALINE COUNTY --- 2.0 N GALATIA [37.86, -88.62], 1.0 S WEST END [37.87, -88.70]				
	05/01/10 00:10 CST		0	Heavy Rain
	05/01/10 01:30 CST		0	Source: Emergency Manager
Minor flooding occurred on Highway 34 north of Galatia.				
Thunderstorms persisted from the evening of the 30th into the wee hours of the 1st ahead of an eastward moving cold front over the Ozark Mountains. Abundant deep moisture and a strong shortwave trough over the central Plains promoted locally heavy rainfall in some storms.				
WAYNE COUNTY --- FAIRFIELD [38.38, -88.37]				
	05/01/10 20:57 CST		0	Hail (1.50 in)
	05/01/10 20:59 CST		0	Source: Trained Spotter
WILLIAMSON COUNTY --- MARION [37.73, -88.93]				
	05/01/10 23:35 CST		0	Heavy Rain
	05/02/10 00:35 CST		0	Source: Trained Spotter
One and one-half feet of water covered Highway 37 in Marion.				
A surface cold front extended from the Chicago area southwestward across the eastern fringes of the St. Louis metro area to a weak low pressure center over southeast Missouri. The low ejected northeast across southern and eastern Illinois, with the trailing cold front moving east across the Lower Ohio Valley. A few elevated severe thunderstorms moved east-northeastward across southern Illinois. Large hail was the main hazard with these elevated storms.				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	05/03/10 00:00 CST		0	Dense Fog
	05/03/10 06:00 CST		0	
A weak ridge of high pressure extended from Illinois and Indiana southward across the Tennessee Valley. The combination of wet ground, calm winds, and clear skies produced areas of dense fog. Visibility was reduced to one-quarter mile or less at many locations.				
MASSAC COUNTY --- 1.3 WNW BROOKPORT [37.13, -88.65], 1.2 W BROOKPORT [37.12, -88.65], 0.3 ESE BROOKPORT [37.12, -88.63], 0.3 ENE BROOKPORT [37.12, -88.63]				
	05/03/10 06:00 CST		0	Flood (due to Heavy Rain)
	05/15/10 17:00 CST		0	Source: River/Stream Gage

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Minor flooding of the Ohio River occurred in the Brookport and Metropolis areas. Due to a floodgate that was inadvertently left open in the Brookport floodwall, sandbagging was required to hold floodwaters out of homes. Several residences were threatened. Bottomlands along the river were inundated, including small portions of Fort Massac State Park in Metropolis. Boat ramps and roads were closed in the park.				

PULASKI COUNTY --- 2.8 ESE LEVINGS [37.21, -89.02], 1.1 E OLMSTED [37.18, -89.06], 0.9 ENE OLMSTED [37.19, -89.07], 2.0 E LEVINGS [37.22, -89.03]

05/03/10 08:00 CST	0	Flood (due to Heavy Rain)
05/27/10 05:00 CST	10K	Source: River/Stream Gage

Moderate flooding of the Ohio River occurred in the Grand Chain area. Water reached the power house at Lock and Dam 53. Low-lying woods, fields, and bottomlands were affected.

ALEXANDER COUNTY --- 2.1 ESE CAIRO [36.99, -89.15], 2.3 ESE CAIRO [36.99, -89.14], 1.3 E CAIRO [37.00, -89.16], 1.1 E CAIRO [37.00, -89.16]

05/03/10 14:00 CST	0	Flood (due to Heavy Rain)
05/29/10 11:00 CST	20K	Source: River/Stream Gage

Moderate flooding of the Ohio River occurred in the Cairo area. Mainly agricultural bottomland and surrounding low-lying areas were affected. Portions of Fort Defiance State Park were flooded.

POPE COUNTY --- 1.3 SSW GOLCONDA [37.35, -88.49], 1.3 S GOLCONDA [37.35, -88.48], 0.3 E GOLCONDA [37.37, -88.47], 0.2 NNW GOLCONDA [37.37, -88.48]

05/05/10 09:00 CST	0	Flood (due to Heavy Rain)
05/12/10 17:00 CST	0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred in the Golconda area. Bottomland fields and woodlands near the river were inundated.

GALLATIN COUNTY --- 1.1 SSW SHAWNEETOWN [37.69, -88.14], 1.0 SSW SHAWNEETOWN [37.69, -88.14], 0.2 ESE SHAWNEETOWN [37.70, -88.13], 0.2 SW SHAWNEETOWN [37.70, -88.13]

05/05/10 12:00 CST	0	Flood (due to Heavy Rain)
05/12/10 04:00 CST	0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred in the Shawneetown area, affecting mainly bottomland and surrounding low lying areas.

A large storm system developed over the central Plains at the end of April. This brought several rounds of very heavy rain between April 30th and May 2nd. South of the Ohio River, rainfall amounts from 2 to 5 inches were widespread. Lesser amounts fell to the north. The lower Ohio River went above flood stage during the first week of May. The flooding was more significant downriver from the mouths of the Tennessee and Cumberland Rivers due to record rainfall in middle Tennessee.

ALEXANDER COUNTY --- 0.5 ESE THEBES [37.22, -89.46], 0.3 SE THEBES [37.22, -89.47], 0.4 W GALE [37.25, -89.46], 0.1 SW GALE [37.25, -89.45]

05/16/10 08:00 CST	0	Flood (due to Heavy Rain)
05/30/10 15:00 CST	20K	Source: River/Stream Gage

Moderate flooding occurred along the Mississippi River around Thebes. The communities of Thebes and Gale experienced some flooding of low-lying areas. The flooding mostly affected agricultural bottomlands and woodlands.

JACKSON COUNTY --- 1.5 W MT CARBON [37.75, -89.36], 1.5 WNW MT CARBON [37.76, -89.36], 2.3 WSW MURPHYSBORO [37.76, -89.37], 2.4 WNW MT CARBON [37.76, -89.37]

05/21/10 05:00 CST	0	Flood (due to Heavy Rain)
05/25/10 08:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Big Muddy River in the Murphysboro area. Bottomland fields were flooded.

Several cold fronts passed across the region in late May, helping to touch off scattered thunderstorms. A few of these storms were nearly stationary and caused heavy rainfall. Heavy rain in the upper portions of the Mississippi River basin contributed to the flooding downriver. Flooding along the Big Muddy River was mainly due to backwater from the flooded Mississippi.

JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33]

05/24/10 13:25 CST	0	Hail (1.00 in)
05/24/10 13:25 CST	0	Source: Trained Spotter

JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33]

05/24/10 13:25 CST	0	Thunderstorm Wind (EG 52 kt)
05/24/10 13:25 CST	0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter estimated a wind gust to 60 mph, along with the quarter-size hail.				
A storm pulsed up to severe levels as daytime heating contributed to a strongly unstable atmosphere in the afternoon. Most of the storm development was initiated by outflow boundaries. A mid-level high was positioned over the Mississippi Valley.				

SALINE COUNTY --- CARRIERS MILLS [37.68, -88.65]

05/26/10 14:50 CST	8K	Thunderstorm Wind (EG 56 kt)
05/26/10 14:50 CST	0	Source: Law Enforcement

Emergency management personnel estimated a wind gust to 65 mph. A tree and power line was blown down. Portions of the community were without power.

PERRY COUNTY --- DU QUOIN [38.02, -89.23]

05/26/10 16:03 CST	0	Hail (0.75 in)
05/26/10 16:03 CST	0	Source: Trained Spotter

JACKSON COUNTY --- 1.0 WSW CARBONDALE [37.71, -89.24]

05/26/10 16:45 CST	0	Heavy Rain
05/26/10 17:45 CST	0	Source: CoCoRaHS

A CoCoRaHS observer measured 1.8 inches of rainfall within one hour.

JACKSON COUNTY --- CARBONDALE [37.72, -89.22]

05/26/10 17:24 CST	0	Hail (0.88 in)
05/26/10 17:24 CST	0	Source: Trained Spotter

WILLIAMSON COUNTY --- HERRIN [37.80, -89.03]

05/26/10 17:40 CST	0	Heavy Rain
05/26/10 19:00 CST	0	Source: Trained Spotter

Six to eight inches of water covered Highway 148 just north of city hall. Water was over the curb of a side street.

A few strong to severe storms occurred as daytime heating destabilized the atmosphere. A weak surface low pressure system in the vicinity of the Kentucky/Missouri border helped to focus storm development.

INDIANA, Southwest

GIBSON COUNTY --- OAKLAND CITY [38.33, -87.35]

05/01/10 00:45 CST	0	Hail (0.75 in)
05/01/10 00:45 CST	0	Source: Trained Spotter

Thunderstorms developed over the Mid Mississippi Valley ahead of an eastward moving cold front over the Ozark Mountains of southern Missouri. These storms weakened before they reached southwest Indiana, but hail up to dime size occurred.

WARRICK COUNTY --- 1.7 ENE NEWBURGH [37.96, -87.39]

05/01/10 08:00 CST	0	Heavy Rain
05/02/10 08:00 CST	0	Source: CoCoRaHS

A CoCoRaHS observer measured 3.37 inches of rain in the past 24 hours.

SPENCER COUNTY --- ROCKPORT [37.88, -87.05], 0.5 NW EUREKA [37.89, -87.23], 3.2 WSW PIGEON [38.09, -87.13], 0.7 W SANTA CLAUS [38.12, -86.91]

05/02/10 02:00 CST	0	Flash Flood (due to Heavy Rain)
05/02/10 06:30 CST	0	Source: Law Enforcement

Rainfall of 4.4 inches was measured 8 miles west of Rockport. Numerous county roads were closed.

A surface cold front extended from the Chicago area southwestward across the eastern fringes of the St. Louis area to a weak low pressure center over southeast Missouri. The low ejected northeast across southern and eastern Illinois, with the trailing cold front moving east across the Lower Ohio Valley. Over southwest Indiana, heavy rain was the main hazard with these elevated storms.

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(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	05/03/10 01:00 CST		0	Dense Fog
	05/03/10 07:00 CST		0	
A weak ridge of high pressure extended from Illinois and Indiana southward across the Tennessee Valley. The combination of wet ground, calm winds, and clear skies produced areas of dense fog. Visibility was reduced to one-quarter mile or less at many locations.				
WARRICK COUNTY --- 0.9 SW NEWBURGH [37.94, -87.43], 1.0 SE NEWBURGH [37.94, -87.41], 0.4 SE NEWBURGH [37.95, -87.42], 0.6 WSW NEWBURGH [37.95, -87.43]				
	05/04/10 10:00 CST		0	Flood (due to Heavy Rain)
	05/10/10 16:00 CST		5K	Source: River/Stream Gage
Minor flooding of the Ohio River occurred around Newburgh. Bottomland fields and some woodlands were inundated.				
POSEY COUNTY --- 0.4 W MT VERNON ARPT [37.93, -87.89], 0.5 SE MT VERNON ARPT [37.92, -87.87], 0.5 ESE MT VERNON [37.93, -87.89], 1.3 SW MT VERNON [37.92, -87.92], 0.5 SW MT VERNON [37.93, -87.91]				
	05/05/10 14:00 CST		0	Flood (due to Heavy Rain)
	05/10/10 20:00 CST		10K	Source: River/Stream Gage
Minor flooding of the Ohio River occurred around Mt. Vernon. Farmland and a few roads were flooded in places southwest and west of Mt. Vernon.				
A large storm system developed over the central Plains at the end of April. This brought several rounds of very heavy rain between April 30th and May 2nd. South of the Ohio River, rainfall amounts from 2 to 5 inches were widespread. Lesser amounts occurred to the north. The lower Ohio River went above flood stage during the first week of May.				
PIKE COUNTY --- 1.9 NNE PETERSBURG [38.52, -87.26], 1.0 NW PETERSBURG [38.51, -87.29], 0.8 NW PETERSBURG [38.51, -87.29], 1.4 NNE PETERSBURG [38.52, -87.27]				
	05/22/10 08:00 EST		0	Flood (due to Heavy Rain)
	05/23/10 11:00 EST		10K	Source: River/Stream Gage
Minor flooding of the White River occurred in the Petersburg area. Some low-lying agricultural bottomland was inundated.				
Minor flooding of the White River occurred following a round of thunderstorms on the 21st. The round of storms on the 21st was the culmination of a prolonged wet pattern that began on the 10th. Much of central and southern Indiana received 2 to 5 inches of rain during this time. Some places measured rainfall on 12 consecutive days, one of the longest such streaks on record for Indiana.				
SPENCER COUNTY --- ROCKPORT [37.88, -87.05]				
	05/27/10 11:30 CST		0	Heavy Rain
	05/27/10 15:41 CST		0	Source: Trained Spotter
A trained spotter measured 2.48 inches over four hours. Minor street flooding occurred.				
A few storms with heavy rainfall occurred as daytime heating contributed to strong instability ahead of a southward-moving disturbance in the mid levels of the atmosphere.				
KENTUCKY, Southwest				
CALLOWAY COUNTY --- MURRAY [36.62, -88.32], NEW CONCORD [36.55, -88.15]				
	05/01/10 00:00 CST		0	Heavy Rain
	05/01/10 15:00 CST		0	Source: Trained Spotter
A spotter measured 2.68 inches of rain in the past 24 hours. Water was over several roads, including Highway 121 at New Concord. The roads were kept open, but with signage to indicate a flooding hazard.				
TRIGG COUNTY --- CADIZ [36.87, -87.82]				
	05/01/10 00:00 CST		0	Heavy Rain
	05/01/10 13:00 CST		0	Source: Emergency Manager
The emergency management office reported 3.80 inches of rain in the past 24 hours. The Little River was at bankful in Cadiz. Ditches and creeks were running full or even out of their banks. High water signs were posted at spots on Kentucky Highways 124, 1253, and 807. The roads stayed open.				
CALLOWAY COUNTY --- 0.8 NNW POTTERTOWN [36.63, -88.18], 3.8 N HAMLIN [36.65, -88.08]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/01/10 02:02 CST		20K	Tornado (EF0, L: 6.04 mi , W: 75 yd)
	05/01/10 02:12 CST		0	Source: NWS Storm Survey

Peak winds were estimated around 70 mph. Around 50 trees were broken or uprooted along the path. Some of the uprooted trees were large. Trees and limbs were broken on both sides of Highway 732. Convergence was clearly indicated by tree damage. The damage path ended at the west shore of Kentucky Lake.

TRIGG COUNTY --- 1.0 NW LINTON [36.69, -87.91], 3.5 SE CADIZ [36.83, -87.78]

05/01/10 02:18 CST	20K	Thunderstorm Wind (EG 52 kt)
05/01/10 02:30 CST	0	Source: Trained Spotter

Widespread tree damage occurred in the southeast portion of the county, mainly between the community of Linton and Interstate 24. Many trees were down along the Lake Barkley shore at Linton.

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48], 5.0 NNW HOPKINSVILLE [36.92, -87.51]

05/01/10 02:50 CST	4K	Thunderstorm Wind (EG 52 kt)
05/01/10 02:50 CST	0	Source: Emergency Manager

A few downed trees were reported in the city of Hopkinsville and along Highway 109 northwest of the city.

LYON COUNTY --- KUTTAWA [37.07, -88.12]

05/01/10 04:00 CST	0	Heavy Rain
05/01/10 11:30 CST	0	Source: Trained Spotter

A trained spotter reported 2.6 inches of rainfall in the past 24 hours. Standing water was observed on a road.

HOPKINS COUNTY --- 2.3 N FIDDLE BOW [37.30, -87.67]

05/01/10 09:00 CST	0	Heavy Rain
05/01/10 13:00 CST	0	Source: Trained Spotter

Six to seven inches of water was flowing across Highway 502.

CHRISTIAN COUNTY --- PEMBROKE [36.78, -87.35]

05/01/10 10:00 CST	0	Heavy Rain
05/01/10 12:30 CST	0	Source: Trained Spotter

Standing water was over a road, and yards were flooded. Water encroached on two houses in town. Creeks were full.

HENDERSON COUNTY --- 1.7 N HENDERSON [37.85, -87.58], 2.0 E ANTHOSTON [37.77, -87.49]

05/01/10 10:00 CST	0	Heavy Rain
05/01/10 17:00 CST	0	Source: Department of Highways

Kentucky Highways 812, 1557, and 2247 were closed due to high water.

MUHLENBERG COUNTY --- 0.7 NNE MC DONALDS [37.31, -87.25], 1.3 W MC DONALDS [37.30, -87.27]

05/01/10 11:00 CST	0	Heavy Rain
05/01/10 17:00 CST	0	Source: Department of Highways

High water signs were posted on Kentucky Highway 70 at mile posts 1 and 2.

Thunderstorms developed ahead of an eastward moving cold front over the Ozark Mountains of southern Missouri. Strengthening mid-level winds ahead of a strong shortwave trough over the central Plains aided storm development. Moderate instability combined with strong effective bulk shear around 50 knots provided very favorable conditions for a couple of supercells that tracked close to the Tennessee border.

CALLOWAY COUNTY --- MURRAY [36.62, -88.32], 2.0 NNE POTTERTOWN [36.65, -88.17]

05/01/10 19:05 CST	0	Heavy Rain
05/01/10 21:00 CST	0	Source: Trained Spotter

About a foot of water was reported over a roadway east of Murray.

CHRISTIAN COUNTY --- 5.0 S HOPKINSVILLE [36.78, -87.48], 3.6 SW HONEY GROVE [36.85, -87.35]

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	05/01/10 21:30 CST		0	Hail (1.75 in)
	05/01/10 21:42 CST		0	Source: Emergency Manager

Golf ball size hail was reported several miles south of Hopkinsville. Ping-pong ball size hail occurred at the intersection of U.S. Highway 68 and County Highway 1027 east of Hopkinsville.

MUHENBERG COUNTY --- 2.0 S GREENVILLE [37.17, -87.18], 4.0 SE GREENVILLE [37.16, -87.13]

05/01/10 22:07 CST	0	Hail (0.75 in)
05/01/10 22:09 CST	0	Source: Trained Spotter

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]

05/01/10 22:08 CST	0	Hail (0.75 in)
05/01/10 22:08 CST	0	Source: Emergency Manager

Penny size hail fell along Highway 109.

MUHENBERG COUNTY --- 1.0 E BEECH CREEK [37.18, -87.05]

05/01/10 22:14 CST	0	Hail (0.75 in)
05/01/10 22:14 CST	0	Source: Emergency Manager

CHRISTIAN COUNTY --- HONEY GROVE [36.88, -87.30], 1.2 E ST ELMO [36.70, -87.36], 1.8 S BINNS MILL [36.72, -87.65], 0.2 NNW ERA [37.02, -87.58]

05/01/10 22:50 CST	0	Flash Flood (due to Heavy Rain)
05/02/10 07:00 CST	0	Source: Law Enforcement

Some road closures were reported, with several creeks and ditches out of their banks.

TODD COUNTY --- 1.9 S HADENSVILLE [36.64, -87.13], 3.1 SSE SOUTH ZION [36.64, -87.25], 2.1 SE BRITMART [36.86, -87.25], 1.4 S CLAYMOUR [36.86, -87.12]

05/01/10 23:00 CST	0.15M	Flash Flood (due to Heavy Rain)
05/02/10 07:00 CST	30K	Source: Newspaper

Severe flash flooding struck much of the county, especially the southern half. In Guthrie, several homes were evacuated due to flooding, and a business and a senior center suffered water damage. A car was tipped onto its side by the force of floodwaters in Guthrie. One home in Elkton was evacuated. A sewer backup in Elkton caused raw sewage to enter houses and businesses. Numerous roads were flooded and closed. A bridge was washed out.

HICKMAN COUNTY --- CLINTON [36.67, -88.98], OAKTON [36.67, -89.07], 0.5 S OAKTON [36.66, -89.07], 1.9 WNW CROLEY [36.64, -88.96]

05/01/10 23:08 CST	0	Flash Flood (due to Heavy Rain)
05/02/10 10:00 CST	0	Source: Emergency Manager

Several streets and nearby state highways were impassable due to flooding in and near Clinton and Oakton. U.S. Highway 51 was closed in several locations south of Clinton.

FULTON COUNTY --- 1.2 WNW ANNA LYNNE [36.56, -89.27], 0.9 SSW ANNA LYNNE [36.54, -89.26], 2.4 W STATE LINE [36.53, -89.16], 1.0 NE HICKMAN [36.58, -89.17]

05/02/10 00:04 CST	10K	Flash Flood (due to Heavy Rain)
05/02/10 10:00 CST	10K	Source: Emergency Manager

Kentucky Highway 94 was closed between mile markers 7 and 11 and mile markers 23 and 25. In Hickman, State Highway 125 was closed at 7th Street due to high water from a flooded creek. Several other secondary roads were closed throughout the county. Many other streets and roads around the county that remained open were covered by water. Some motorists were stranded in floodwaters. Two churches in the west part of Hickman were damaged by flooding. Farm fields were flooded. Emergency management personnel reported 4.8 inches of rain in Hickman during the previous 12 hours. Since the evening of April 30, 6.3 inches had fallen.

FULTON COUNTY --- 2.1 NW JORDAN [36.52, -89.06], 0.8 NW CRUTCHFIELD [36.59, -88.94]

05/02/10 00:05 CST	35K	Tornado (EF1, L: 7.90 mi , W: 150 yd)
05/02/10 00:19 CST	0	Source: NWS Storm Survey

The tornado touched down southwest of Cayce and travelled northeast, mainly damaging trees. Damage near Cayce consisted of downed trees and limbs caused by the EF-0 tornado. Near Highway 924, the tornado increased to EF-1 intensity and caused some minor damage to houses and outbuildings. One mobile home was moved a few feet, and the roof was torn back. A boat on a trailer was flipped over. Anchored television antennas were pulled out of the ground and bent. The tornado further increased in strength upon crossing into Hickman County.

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CARLISLE COUNTY --- 1.0 W BARDWELL [36.87, -89.04], 2.0 SE BARDWELL [36.85, -88.99]				
	05/02/10 00:10 CST		3K	Thunderstorm Wind (EG 50 kt)
	05/02/10 00:15 CST		0	Source: Law Enforcement
Trees were down on State Route 1741 west of Bardwell and on State Route 1377 southeast of Bardwell.				
HICKMAN COUNTY --- 2.9 S CROLEY [36.59, -88.94], 1.2 SSW FULHAM [36.63, -88.88]				
	05/02/10 00:19 CST		0.30M	Tornado (EF2, L: 4.56 mi , W: 600 yd)
	05/02/10 00:25 CST		0	Source: NWS Storm Survey
The tornado crossed into Hickman County from Fulton County on U.S. Highway 51 just north of Crutchfield. Peak winds in this area were estimated near 115 mph. The EF-2 tornado damaged or destroyed several pole barns along U.S. Highway 51. One barn was over 100 feet long and was anchored by telephone poles set in concrete. Most of the poles were snapped. A few poles were pulled up, with one thrown about 50 yards. A section of U.S. 51 was closed due to downed power poles and debris. Large trees were uprooted or snapped. There was minor house damage. As the tornado continued northeast across Kentucky Highway 1070 and a nearby road, three homes were damaged. One of the houses sustained damage to an outside wall, which was pushed in about three inches. The carport attached to that wall was blown away. A two-story garage was destroyed, along with other sheds and another carport. The other two houses sustained damage to garages and siding. Windows were blown out, and a section of roof was blown off one house. The maximum path width of about 600 yards was in this area. The average path width was closer to 300 yards. The tornado then weakened significantly and produced only minor tree damage until it dissipated about a mile southwest of Fulgham.				
HICKMAN COUNTY --- 2.7 S CROLEY [36.59, -88.92], 0.5 SW WATTS [36.66, -88.83]				
	05/02/10 00:20 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/02/10 00:33 CST		0	Source: NWS Storm Survey
A path of straight-line wind damage began on the southeast flank of the EF-2 tornado as it tracked west of Beelerton. This path of wind damage remained just south and east of the tornado damage path, then continued for a few miles beyond the end point of the tornado. The damage path averaged about 50 yards wide. Mostly trees were damaged. The damage path ended at the Graves County line.				
GRAVES COUNTY --- WINGO [36.65, -88.73]				
	05/02/10 00:37 CST		0	Hail (0.88 in)
	05/02/10 00:37 CST		0	Source: Emergency Manager
GRAVES COUNTY --- 2.2 N VULTONCREEK [36.76, -88.53], 1.9 SSE HICKSVILLE [36.77, -88.49]				
	05/02/10 00:47 CST		15K	Tornado (EF0, L: 2.35 mi , W: 40 yd)
	05/02/10 00:50 CST		0	Source: NWS Storm Survey
Peak winds in this short tornado near Golo were estimated near 85 mph. The most concentrated damage was on County Road 564, where a small wooden storage shed was demolished and 8-inch branches were broken. Debris from the shed was thrown up to 90 yards. Three large pine trees were snapped about 15 feet from their bases, and one large pine tree was uprooted. There was strong evidence of convergent wind damage where the trees were blown down.				
BALLARD COUNTY --- WICKLIFFE [36.97, -89.08], 0.4 S LOVELACEVILLE [36.96, -88.82]				
	05/02/10 01:00 CST		0	Heavy Rain
	05/02/10 07:00 CST		0	Source: Newspaper
Farm fields were flooded outside Wickliffe along Highway 121. Outside Lovelaceville, a house was surrounded by water.				
CALDWELL COUNTY --- 0.4 SW BLACK HAWK [36.97, -87.87]				
	05/02/10 01:25 CST		0	Funnel Cloud
	05/02/10 01:25 CST		0	Source: Trained Spotter
A trained spotter reported a funnel cloud near the intersection of Highway 139 and Interstate 24.				
CALDWELL COUNTY --- 1.8 ENE CRIDER [37.16, -87.94], 2.7 SW PRINCETON [37.09, -87.91], 1.5 SSW PRINCETON ARPT [37.10, -87.86], 0.5 NE PRINCETON [37.13, -87.86]				
	05/02/10 01:30 CST		75K	Flash Flood (due to Heavy Rain)
	05/02/10 08:30 CST		0	Source: Emergency Manager
Severe flash flooding was reported in Princeton. Most streets in Princeton were under at least two feet of water. Police vehicles were unable to navigate the flooded streets, so officers used city street department trucks instead. Several vehicles that ventured into the flooding were disabled in floodwaters and had to be towed. Several homes were flooded with two feet of water, necessitating evacuations.				

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HOPKINS COUNTY --- 0.9 NW MADISONVILLE [37.34, -87.51], 1.2 NE MADISONVILLE [37.34, -87.48], 0.9 W WHITE PLAINS [37.18, -87.40], 0.5 N DANIEL BOONE [37.19, -87.52]				
	05/02/10 01:30 CST		0	Flash Flood (due to Heavy Rain)
	05/02/10 08:30 CST		0	Source: Trained Spotter
A couple of houses were evacuated in the county. U.S. Highway 62 was closed between mile markers 16 and 18 due to high water. U.S. Highway 41 was closed between mile markers 16 and 17. Several other secondary roads were closed throughout the county. In Madisonville, six inches of water was under an overpass on State Route 70. Water was over portions of a side street. A trained spotter measured just over 5 inches in Dawson Springs.				
DAVISS COUNTY --- 1.6 WNW OWENSBORO [37.78, -87.15], 1.5 ESE (OWB)OWENSBORO ARPT [37.75, -87.14], 0.7 WSW DOYLE [37.75, -87.08], 1.6 ENE OWENSBORO [37.78, -87.09]				
	05/02/10 01:38 CST		0	Flash Flood (due to Heavy Rain)
	05/02/10 04:00 CST		0	Source: Emergency Manager
Widespread street flooding was reported, with several roads closed in Owensboro. Sections of U.S. Highway 60 were under water in Owensboro. Overflowing ditches threatened to reach an apartment building in Owensboro. A trained spotter measured 1.2 inches of rain in one hour in southeast Owensboro.				
CHRISTIAN COUNTY --- 2.8 NNW ERA [37.06, -87.60], 1.3 ENE SELDON [37.13, -87.45]				
	05/02/10 01:49 CST		0.30M	Tornado (EF2, L: 9.54 mi , W: 300 yd)
	05/02/10 02:00 CST		0	Source: NWS Storm Survey
The highest concentrations of damage were where the tornado crossed State Route 1348 west of Crofton and Route 407 north of Crofton. Three unoccupied mobile homes were severely damaged or destroyed on Route 1348 west of Crofton. On Route 407, two mobile homes suffered moderate to major damage and a garage was levelled. The roof was peeled off one of the mobile homes. This tornado was very near the site of an EF3 tornado in Mannington just over a year earlier. One of the victims whose home was destroyed in the previous year's tornado relocated to a new spot, only to have her new home receive minor damage in this tornado. Several barns along the damage path received minor to moderate damage. Hundreds of trees were uprooted or snapped, particularly on Route 407 and nearby U.S. Highway 41. The tornado damage path began along Highway 109 and ended just after crossing the Pennyriile Parkway. The EF-2 tornado damage was near the end of the damage path along Route 407 and U.S. Highway 41, where hundreds of trees were uprooted or snapped. The average path width was 275 yards. Peak winds were estimated near 120 mph. The supercell that spawned this tornado later produced a separate brief tornado in Hopkins County.				
LIVINGSTON COUNTY --- 1.4 S SMITHLAND [37.11, -88.40], 0.5 W SMITHLAND [37.13, -88.41], 3.4 S PINCKNEYVILLE [37.13, -88.22], 2.6 NNW IUKA [37.12, -88.24]				
	05/02/10 01:55 CST		10K	Flash Flood (due to Heavy Rain)
	05/02/10 04:00 CST		0	Source: Emergency Manager
Kentucky Highway 866 was closed over the Gum Fork Creek due to possible bridge damage. Kentucky Highway 453 was under eight inches of water near Smithland.				
MCCRACKEN COUNTY --- 0.6 WNW FREMONT [36.97, -88.63], 2.8 SW TYLER [37.02, -88.61], 0.6 E WEST PADUCAH [37.08, -88.74], 2.0 SSE WEST PADUCAH [37.05, -88.74], 0.6 E ST JOHNS [36.97, -88.67]				
	05/02/10 01:55 CST		10K	Flash Flood (due to Heavy Rain)
	05/02/10 09:30 CST		0	Source: Emergency Manager
Emergency personnel helped a woman and two children evacuate a home surrounded by water on Kentucky Route 1288 south of Lone Oak. In the same part of the county, an occupied car was half submerged where a creek overflowed across the intersection of Highways 994 and 1014 in the Hendron area. One to two feet of water covered State Highway 1565 west of Paducah.				
HOPKINS COUNTY --- 2.8 SW MT CARMEL [37.14, -87.40], 2.4 SSW MT CARMEL [37.14, -87.39]				
	05/02/10 02:04 CST		70K	Tornado (EF0, L: 0.53 mi , W: 75 yd)
	05/02/10 02:05 CST		0	Source: NWS Storm Survey
Peak winds in this short tornado near White Plains were estimated near 80 mph. A barn was blown down. Part of a mobile home roof was blown off. The mobile home was moved less than five feet. Several small trees and large tree limbs were blown down. This tornado was spawned by the same supercell that produced an EF-2 tornado in northern Christian County earlier.				
GRAVES COUNTY --- 1.8 W POTTSVILLE [36.85, -88.75], 1.2 SW DOGWOOD [36.87, -88.59], 1.9 N FAIRBANKS [36.55, -88.54], 1.1 W PILOT OAK [36.55, -88.74]				
	05/02/10 02:22 CST		0.15M	Flash Flood (due to Heavy Rain)
	05/02/10 09:30 CST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flood-prone Red Duck Creek overflowed its banks in Mayfield, flooding a few streets and causing significant damage to a house. Water was in several houses in Wingo, where several people were evacuated. Low-lying areas of Pryorsburg were flooded. There were road closures countywide, most of which were county roads. U.S. Highway 45 was closed between mile markers 1 and 2 in the Water Valley area. Near Pottsville, a bridge over Wilson Creek on Kentucky 945 was damaged by high water and debris that hit the bridge piers. The road was closed for an extended time. Kentucky 1124 between mile markers zero and one was closed due to a washed out cross drain. The state police post near Mayfield measured 3.82 inches.				

MARSHALL COUNTY --- 1.5 SSW BENTON [36.85, -88.36], 0.7 WSW BENTON [36.87, -88.36], 0.4 ESE BENTON [36.87, -88.34], 1.2 W DOGTOWN [36.85, -88.34]

05/02/10 02:27 CST	20K	Flash Flood (due to Heavy Rain)
05/02/10 09:30 CST	0	Source: Emergency Manager

In Benton, one lane at the intersection of Highway 58 and 10th street was closed due to a pavement washout. A storm-total rainfall from late on April 30th to early on May 2nd was measured at 7.80 inches in Hardin.

MUHENBERG COUNTY --- 1.5 ENE MORGAN [37.28, -87.14], 2.7 SSW NELSON [37.29, -87.06], 1.7 SW NELSON [37.31, -87.07], 1.3 S SOUTH CARROLLTON [37.31, -87.15]

05/02/10 03:00 CST	0	Flash Flood (due to Heavy Rain)
05/02/10 07:00 CST	0	Source: Law Enforcement

A couple of roads were closed due to flooding, including one in Central City and another east of Central City. Several other roads remained open despite water over them. A trained spotter east of Rosewood measured total rainfall of 7.55 inches for the entire event from late on the 30th to early on the 2nd.

DAVIESS COUNTY --- 2.3 WSW BOSTON [37.67, -86.96], 0.9 NW PHILPOT [37.74, -86.99], OWENSBORO [37.77, -87.12], 2.0 ENE CURDSVILLE [37.75, -87.30], 0.4 WNW MAPLE MT [37.68, -87.33]

05/02/10 04:00 CST	0	Flood (due to Heavy Rain)
05/03/10 18:00 CST	30K	Source: Department of Highways

A total of 24 county roads were closed due to high water. Kentucky Highway 762 was closed between mile markers zero and one. Kentucky 298 was closed between mile markers two and three. Several other state roads were closed. A large amount of cropland was flooded, about half of it planted. Much of the flooding in the county was due to the Green River, which crested at moderate flood levels in Mclean County.

HENDERSON COUNTY --- GENEVA [37.82, -87.70], 2.1 WSW ZION [37.80, -87.51], 1.0 SE NIAGARA [37.71, -87.47], 1.9 WSW DIXIE [37.67, -87.71]

05/02/10 06:00 CST	0	Flood (due to Heavy Rain)
05/02/10 12:00 CST	0	Source: Department of Highways

Kentucky Highway 812 was closed between mile markers two and four. Kentucky 1557 was closed between mile markers two and three. Several other secondary roads were closed throughout the county. Rainfall at Henderson was 4.5 inches.

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48], 1.7 E HERNDON [36.73, -87.54], 1.0 ENE BARKERS MILL [36.67, -87.33], 2.2 N PEMBROKE [36.81, -87.35], APEX [37.10, -87.35], 0.8 WSW WYNNS [37.10, -87.39]

05/02/10 07:00 CST	20K	Flood (due to Heavy Rain)
05/03/10 17:00 CST	0	Source: Department of Highways

Kentucky Highway 189 was closed in the Apex area due to a landslide. Other roads in the Apex area were threatened by high water. Elsewhere in the county, a good number of roads were closed or barricaded. Water was over U.S. Highway 41, as well as Kentucky Highways 109, 115, and 345. Many secondary roads were under water. Many creeks were out of their banks, and lowlands were under water.

MCLEAN COUNTY --- LIVERMORE [37.48, -87.13], 2.3 WSW BUEL [37.54, -87.22], 0.0 NE GLENVILLE [37.60, -87.20], 1.5 NNW NUCKOLS [37.54, -87.13]

05/02/10 07:00 CST	0	Flood (due to Heavy Rain)
05/02/10 16:00 CST	0	Source: Department of Highways

High water signs were posted at spots on three state highways: Kentucky 140, 1046, and 2110. No road closures were reported.

MUHENBERG COUNTY --- 1.3 W LYNN CITY [37.37, -87.25], LYNN CITY [37.37, -87.23], 0.7 E MERCER [37.25, -87.14], 1.9 E NEW CYPRESS [37.25, -87.22]

05/02/10 07:00 CST	0	Flood (due to Heavy Rain)
05/03/10 11:00 CST	20K	Source: Department of Highways

Kentucky Highway 181 was closed between mile markers 12 and 13 due to flooding. Water was over U.S. Highway 431 and Kentucky Highway 70. Several other secondary roads were closed throughout the county. Considerable flooding of farmland took place, though much of it was not planted yet.

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TODD COUNTY --- 1.2 ENE TRESS SHOP [36.84, -87.20], 1.5 NNW WILHELMINA [36.85, -87.11], 1.4 W DARNELL [36.65, -87.11], 0.9 WSW GUTHRIE [36.64, -87.18]				
	05/02/10 07:00 CST		20K	Flood (due to Heavy Rain)
	05/03/10 11:00 CST		20K	Source: Emergency Manager
At least 27 roads across the county were closed, and another 19 were water-covered but open. The closings were most numerous across the southern half of the county. One bridge was under 11 feet of water. Many creeks and streams across the county were out of their banks. Many acres of cropland were under water. A trained spotter in Claymour measured total rainfall of 9.30 inches for the entire event from late on the 30th to early on the 2nd. Another spotter six miles southwest of Elkton measured 7.50 inches.				
WEBSTER COUNTY --- 0.5 NE CLAY [37.49, -87.82], 1.5 S SHELTON [37.55, -87.80], 1.4 N LUZON [37.55, -87.73], 4.1 SW SLAUGHTERS [37.45, -87.56], 0.9 NNE BELLVILLE [37.39, -87.79]				
	05/02/10 07:00 CST		10K	Flood (due to Heavy Rain)
	05/02/10 17:00 CST		0	Source: Department of Highways
Kentucky Highway 801 was closed due to a mudslide at mile markers 5 and 6. Kentucky Highways 696 and 138 were closed in spots.				
LYON COUNTY --- EDDYVILLE [37.05, -88.07], 1.0 W SARATOGA [37.05, -88.02], 2.2 ENE EDDYVILLE [37.07, -88.04], 1.4 NW EDDYVILLE [37.07, -88.09]				
	05/02/10 08:00 CST		0	Flood (due to Heavy Rain)
	05/02/10 15:00 CST		0	Source: Department of Highways
Seven roadways were closed in the county. Water was around a bridge on Eddy Creek. Debris from high water was near the bridge on Highway 730 at Highway 293.				
CALLOWAY COUNTY --- 2.5 WSW KIRKSEY [36.68, -88.42], 1.4 SE ALMO [36.69, -88.25], 2.0 NNW NEW PROVIDENCE [36.56, -88.24], 0.8 ESE HARRIS GROVE [36.56, -88.41]				
	05/02/10 08:15 CST		40K	Flood (due to Heavy Rain)
	05/03/10 11:00 CST		0	Source: Emergency Manager
A dead-end street was closed due to a washout of a culvert, stranding residents on the end of the street. One lane of another road was closed due to a washout. Elsewhere across the county, two roads were closed. Water was over nine others, but they were passable. Emergency management personnel reported 4.03 inches in Murray from late on April 30th to midday on May 2nd. Upwards of 5 inches was reported south of Murray.				
CALDWELL COUNTY --- 1.7 WSW LAKEVIEW [37.12, -87.91], 2.1 SE FLAT ROCK [37.21, -87.92], 2.4 ESE NEEDMORE [37.21, -87.79], 0.9 SSE CEDAR BLUFF [37.07, -87.83], 3.8 W MC GOWAN [37.05, -87.90]				
	05/02/10 08:30 CST		20K	Flood (due to Heavy Rain)
	05/02/10 15:00 CST		0	Source: Department of Highways
Kentucky Highway 128 was closed between mile markers 6 and 7. Kentucky Highway 139 was closed between mile markers 14 and 15. Several other secondary roads were closed throughout the county. One washout was reported on a county road. A mesonet site near Princeton recorded about 6.5 inches, including 3.6 inches on the 1st and 2.82 on the 2nd.				
HOPKINS COUNTY --- 0.3 NE DOZIER HGTS [37.30, -87.52], 0.7 SSE DAWSON SPGS [37.16, -87.69], DAWSON SPGS [37.17, -87.70], 2.5 NNE RABBIT RIDGE [37.31, -87.68]				
	05/02/10 08:30 CST		2K	Flood (due to Heavy Rain)
	05/02/10 17:00 CST		0	Source: Law Enforcement
Flooding of the Tradewater River inundated a park and some roads in Dawson Springs. The fast-moving river current swept away some fencing and equipment at ball fields in the park. Local observers reported the river crested at its highest level in at least 12 years, even higher than the December 2002 flood. Elsewhere in the county, Kentucky Highway 502 was closed due to high water flowing across the road. Kentucky Highway 70 was closed west of Madisonville. A little over six inches of rain fell in the county from late on April 30th to May 2nd.				
CRITTENDEN COUNTY --- 4.0 NE DYCUSBURG [37.19, -88.13], 2.9 ENE DYCUSBURG [37.17, -88.13], 3.3 SSE FRANCES [37.18, -88.10], 2.7 SSE FRANCES [37.19, -88.11]				
	05/02/10 09:00 CST		0	Flood (due to Heavy Rain)
	05/02/10 15:00 CST		0	Source: Trained Spotter
Floodwaters from a creek rose up to car doors on Kentucky Highway 902 at mile marker 5.				
TRIGG COUNTY --- 1.9 S ROCKCASTLE [36.87, -87.97], 0.3 SSE LINTON [36.68, -87.90], 5.0 SSW MAGGIE [36.66, -87.77], 1.9 SSW CERULEAN [36.94, -87.73], 4.0 N ROCKCASTLE [36.96, -87.98]				

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/02/10 09:00 CST		0	Flood (due to Heavy Rain)
	05/03/10 11:00 CST		0	Source: Department of Highways

About a dozen roads across the county were reported to be affected by high water. Road closures included small parts of Kentucky Highways 126, 124, 1253, 1585, and 1507. Flooded creeks and streams were responsible for some of the flooding.

GRAVES COUNTY --- 1.7 NW SYMSONIA [36.94, -88.54], 1.8 WNW SYMSONIA [36.93, -88.55], 1.0 W SYMSONIA [36.92, -88.54], 0.8 NW SYMSONIA [36.93, -88.53]

05/02/10 09:30 CST	0	Flood (due to Heavy Rain)
05/02/10 17:00 CST	0	Source: Newspaper

Kentucky Highway 348 was closed near Symsonia due to flooding of the Clarks River.

MARSHALL COUNTY --- 1.1 NNE DOGTOWN [36.86, -88.31], 0.6 WNW DOGTOWN [36.85, -88.33], 1.6 NW ELVA [36.94, -88.49], 2.0 W SHARPE [36.97, -88.49]

05/02/10 09:30 CST	0	Flood (due to Heavy Rain)
05/02/10 16:00 CST	0	Source: Emergency Manager

Flooding of the Clarks River closed Highway 1462 near Benton, Highway 1042 near Sharpe, and a very lightly travelled county road. Water was on other roads in the county, but they were passable.

MCCRACKEN COUNTY --- 2.3 SE OAKS [36.95, -88.52], 1.4 SSW CAMELIA [37.00, -88.79], 2.6 NE GRAHAMVILLE [37.13, -88.75], 0.8 NE WOODLAWN [37.06, -88.56]

05/02/10 09:30 CST	10K	Flood (due to Heavy Rain)
05/02/10 16:00 CST	0	Source: Law Enforcement

A sinkhole developed just off the roadway on U.S. Highway 62 on the south side of Paducah. The immediate area of the sinkhole was blocked off while being monitored for any expansion. Kentucky Highway 348 was closed near the Graves County line due to flooding of the Clarks River. Kentucky Highways 994, 1014, 1255, and 1565 were closed due to flooded creeks. Water was over Highway 1954 in the Farley community. In the same area, water was near homes and backing up in drainage ditches.

CARLISLE COUNTY --- 1.6 NE MILBURN [36.82, -88.86], BARDWELL [36.87, -89.02], 2.4 NNE BARDWELL [36.90, -89.00], 1.2 ENE CUNNINGHAM [36.92, -88.86], 1.9 NE MILBURN [36.82, -88.86]

05/02/10 10:00 CST	20K	Flood (due to Heavy Rain)
05/02/10 16:00 CST	0	Source: Law Enforcement

High water was over U.S. Highway 62 between Bardwell and Cunningham. County Road 1146 was closed in the Milburn area due to a washout.

HICKMAN COUNTY --- 1.2 WNW CLINTON [36.68, -89.00], 1.1 NW CLINTON [36.68, -89.00], 1.4 NW CLINTON [36.68, -89.00], 1.6 NW CLINTON [36.68, -89.00]

05/02/10 10:00 CST	0	Flood (due to Heavy Rain)
05/02/10 15:00 CST	0	Source: Newspaper

U.S. Highway 51 was closed between mile markers 4 and 6.

A surface cold front extended from the Chicago area southwestward across the eastern fringes of the St. Louis metro area to a weak low pressure center over southeast Missouri. The low ejected northeast across southern and eastern Illinois, with the trailing cold front moving east across the Lower Ohio Valley. A broken cluster of severe thunderstorms, with embedded supercells and small bow echoes, moved east-northeastward across western Kentucky. Increasing south-southwesterly low level winds brought plenty of moisture northward into the Lower Ohio Valley, aiding in sufficient destabilization for supercells. The two primary supercells of the night followed similar paths across southern parts of the Purchase area, the Lakes region, and the southern Pennyryle region. Heavy rainfall with the storms, in combination with saturated ground from the May 1 storms, produced localized flash flooding.

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Photo of a mobile home destroyed by the tornado near Crofton. Photo courtesy Rick Shanklin, WCM, NWS Paducah.

MUHLENBERG COUNTY --- 0.4 W PARADISE [37.27, -86.99], 0.5 S PARADISE [37.26, -86.98], 0.5 SSE PARADISE [37.26, -86.98], 0.2 WNW PARADISE [37.27, -86.98]

05/02/10 11:00 CST	0	Flood (due to Heavy Rain)
05/19/10 22:00 CST	20K	Source: River/Stream Gage

Major flooding occurred on the Green River in the Paradise area. At the Paradise river gage, the river crested at 398.2 feet on the 8th. This was the fourth highest crest on record at that gage site. Extensive flooding of low-lying areas occurred.

MCLEAN COUNTY --- CALHOUN [37.53, -87.27], 0.6 NE CALHOUN [37.54, -87.26], 1.0 ENE CALHOUN [37.54, -87.25], 0.9 ENE CALHOUN [37.53, -87.25], 0.3 ESE CALHOUN [37.53, -87.26]

05/03/10 09:00 CST	10K	Flood (due to Heavy Rain)
05/18/10 10:00 CST	30K	Source: River/Stream Gage

Moderate flooding of the Green River occurred in the Calhoun and Rumsey areas. Lower parts of Calhoun began flooding. A large portion of Rumsey was flooded. No mandatory evacuations were ordered, but firefighters went door-to-door in flood-prone neighborhoods in lower Calhoun, Rumsey, and the west side of Livermore. Around 60,000 acres of cropland were flooded in the Island, Rumsey, and Jewel City areas. About half of that land was planted, mostly with corn.

LIVINGSTON COUNTY --- 0.6 WNW SMITHLAND [37.13, -88.41], 0.9 W SMITHLAND [37.13, -88.42], 0.5 SSW BIRDSVILLE [37.21, -88.45], 0.4 SSE BIRDSVILLE [37.21, -88.45], 1.8 SE BIRDSVILLE [37.20, -88.43], 2.0 NNW SMITHLAND [37.16, -88.41]

05/04/10 13:00 CST	2K	Flood (due to Heavy Rain)
05/12/10 18:00 CST	10K	Source: River/Stream Gage

Minor flooding occurred on the Ohio River in the Smithland area. Low-lying bottomland fields and woodlands were inundated. A campground in Birdsville was flooded.

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BALLARD COUNTY --- 2.9 NW MONKEYS EYEBROW [37.21, -89.02], 3.6 WNW OSCAR [37.16, -89.09], 2.8 NW OSCAR [37.15, -89.07], 2.5 WNW MONKEYS EYEBROW [37.19, -89.02]				
	05/04/10 20:00 CST		0	Flood (due to Heavy Rain)
	05/15/10 09:00 CST		0	Source: River/Stream Gage
Minor to moderate flooding of the Ohio River occurred in the Oscar area. Large portions of a wildlife management area were flooded.				
MCCRACKEN COUNTY --- 1.7 NE CECIL [37.12, -88.65], 1.6 E ROWLANDTOWN [37.10, -88.60], 0.7 E ROWLANDTOWN [37.10, -88.62], 3.2 N MAXON [37.13, -88.73], 3.7 NW CECIL [37.14, -88.72]				
	05/04/10 20:00 CST		0	Flood (due to Heavy Rain)
	05/13/10 16:00 CST		10K	Source: River/Stream Gage
Moderate flooding of the Ohio River occurred in the Paducah area. Mainly bottomland and surrounding low-lying areas were flooded. Floodwaters crept into some backyards along Highway 1420 west of the city. The riverfront park in downtown Paducah was partially flooded but remained open to traffic.				
UNION COUNTY --- 1.9 N UNIONTOWN [37.80, -87.93], 0.9 NW UNIONTOWN [37.78, -87.94], 0.5 NNW UNIONTOWN [37.78, -87.93], 1.7 N UNIONTOWN [37.79, -87.92]				
	05/06/10 04:00 CST		0	Flood (due to Heavy Rain)
	05/12/10 21:00 CST		10K	Source: River/Stream Gage
Minor flooding occurred on the Ohio River around Uniontown. Minor flooding of bottomland fields and woodlands occurred.				
DAVIESS COUNTY --- 1.4 NW OWENSBORO [37.78, -87.14], 1.5 NW OWENSBORO [37.79, -87.14], 0.7 N OWENSBORO [37.78, -87.12], 0.7 NW OWENSBORO [37.78, -87.13]				
	05/07/10 11:00 CST		0	Flood (due to Heavy Rain)
	05/08/10 19:00 CST		3K	Source: River/Stream Gage
Minor flooding of the Ohio River occurred in the Owensboro area, inundating bottomland fields and surrounding low-lying areas.				
A large storm system developed over the central Plains at the end of April. This brought several rounds of very heavy rain between April 30th and May 2nd. Rainfall amounts from 2 to 5 inches were widespread over western Kentucky. There were a few isolated areas across the southern Pennyrile region (Hopkinsville area) that reported totals between 6 and 10 inches. The Green and lower Ohio Rivers went above flood stage during the first week of May. The Ohio River flooding was more significant downriver from the mouths of the Tennessee and Cumberland Rivers due to record rainfall in middle Tennessee.				
(KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN				
	05/03/10 02:00 CST		0	Dense Fog
	05/03/10 06:00 CST		0	
A weak ridge of high pressure extended from Illinois and Indiana southward across the Tennessee Valley. The combination of wet ground, calm winds, and clear skies produced areas of dense fog. Visibility was reduced to one-quarter mile or less at many locations north of a line from Smithland to Madisonville and Central City. Another area of dense fog occurred over the Hopkinsville area.				
CRITTENDEN COUNTY --- 4.2 NW DYCUSBURG [37.19, -88.24], 2.0 NNW DYCUSBURG [37.18, -88.20], 0.4 NW DYCUSBURG [37.15, -88.19], 0.4 NNE DYCUSBURG [37.16, -88.18], 2.3 NNW DYCUSBURG [37.18, -88.19], 4.5 NW DYCUSBURG [37.19, -88.24]				
	05/03/10 14:00 CST		0.27M	Flash Flood (due to Planned Dam Release)
	05/04/10 02:00 CST		0	Source: Emergency Manager
The Cumberland River rose rapidly as releases from Barkley Dam were increased to record levels. About a dozen residences were flooded in Dycusburg, and others were evacuated because they were isolated by floodwaters. The community that was primarily affected was Dycusburg. Water was two to three feet deep in some homes. There was extensive flooding of fields and woods. A few roads were closed, including State Route 295 at Dycusburg.				
LIVINGSTON COUNTY --- 0.7 NNW IUKA [37.09, -88.23], 1.2 SSE IUKA [37.06, -88.22], 1.6 NE LAKE CITY [37.04, -88.23], 1.4 NNE GRAND RIVERS [37.02, -88.22], 1.1 E LAKE CITY [37.03, -88.23], 0.8 NW IUKA [37.09, -88.24]				
	05/03/10 14:00 CST		0.25M	Flash Flood (due to Planned Dam Release)
	05/04/10 02:00 CST		10K	Source: Emergency Manager
The Cumberland River rose rapidly as releases from Barkley Dam were increased to record levels. River levels rose at the rate of about one foot per hour. The tailwater elevation below the dam rose to around 350 feet. About a dozen residences were flooded, and about 10 others were evacuated because they were isolated by floodwaters. Vehicles and other equipment were damaged or destroyed by the rapidly rising floodwaters. The communities that were heavily affected were Iuka and the east side of Lake City. Sandbagging efforts helped avert damage to a few homes. A couple of houses on the outskirts of Tiline were flooded. There was extensive flooding of fields and woods. A number of roads were closed, including most of State Route 917 and State Route 93 near Iuka. A state of emergency was declared in the county. A Red Cross shelter was opened in Grand Rivers for displaced residents.				

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LYON COUNTY --- 0.3 WNW EUREKA [37.02, -88.22], 0.7 NW EUREKA [37.03, -88.23], 1.8 N EUREKA [37.05, -88.22], 3.0 N EUREKA [37.06, -88.22], 3.3 NNE EUREKA [37.07, -88.21]				
	05/03/10 14:00 CST		30K	Flash Flood (due to Planned Dam Release)
	05/04/10 02:00 CST		0	Source: Emergency Manager
The Cumberland River rose rapidly as releases from Barkley Dam were increased to record levels. The river rose about one foot per hour, peaking around 350 feet at Barkley Dam. A few residences were flooded, and others were evacuated because they were isolated by floodwaters. Most of the houses that were affected were in the vicinity of U.S. Highway 62 immediately below the dam. Sandbagging efforts helped minimize damage to a couple homes. One house was surrounded by over 5,000 sandbags. There was extensive flooding of fields and woods. A number of roads were closed. A state of emergency was declared in the county.				
CRITTENDEN COUNTY --- 4.3 NW DYCUSBURG [37.18, -88.25], 4.9 NW DYCUSBURG [37.20, -88.25], 2.7 NNW DYCUSBURG [37.19, -88.20], 0.5 NE DYCUSBURG [37.15, -88.17], 0.4 NW DYCUSBURG [37.15, -88.18], 2.2 NNW DYCUSBURG [37.18, -88.20]				
	05/04/10 02:00 CST		0	Flood (due to Planned Dam Release)
	05/07/10 09:00 CST		0	Source: Emergency Manager
The Cumberland River remained steady at very high levels as releases from Barkley Dam were maintained near record levels. About a dozen residences stayed flooded, and others remained vacant because they were isolated by floodwaters. The community that was primarily affected was Dycusburg. There was extensive flooding of fields and woods. A few roads were closed, including State Route 295 at Dycusburg.				
LIVINGSTON COUNTY --- 1.8 NE LAKE CITY [37.05, -88.22], 1.0 E PINCKNEYVILLE [37.18, -88.21], 0.6 E TILINE [37.18, -88.26], 1.1 SE LAKE CITY [37.02, -88.24], 1.3 ESE LAKE CITY [37.02, -88.23]				
	05/04/10 02:00 CST		0	Flood (due to Planned Dam Release)
	05/07/10 09:00 CST		0	Source: Emergency Manager
The Cumberland River remained steady at very high levels as releases from Barkley Dam were maintained near record levels. About a dozen residences stayed flooded, and others remained vacant because they were isolated by floodwaters. The communities that were heavily affected were luka, Lake City, and Tiline. Most of the flooded residences were in the Lake City area, where water was up to the windows of some houses. luka, a community of about 35 residents, was essentially an island surrounded by floodwaters. There was extensive flooding of fields and woods. Livestock rescue efforts were conducted around luka. A number of roads were closed, including State Routes 917 and 93. The Coast Guard closed the Cumberland River to all boating traffic.				
LYON COUNTY --- 0.2 WNW EUREKA [37.02, -88.22], 0.6 NE EUREKA [37.02, -88.21], 1.8 N EUREKA [37.05, -88.21], 3.1 N EUREKA [37.06, -88.21], 1.9 N EUREKA [37.05, -88.22], 1.1 NNW EUREKA [37.04, -88.23]				
	05/04/10 02:00 CST		0	Flood (due to Planned Dam Release)
	05/07/10 09:00 CST		0	Source: Emergency Manager
The Cumberland River remained at very high levels as releases from Barkley Dam were maintained near record levels. A few residences stayed flooded, and others were vacant because they were isolated by floodwaters. Most of the houses that were affected were in the vicinity of U.S. Highway 62 immediately below the dam. There was extensive flooding of fields and woods. A number of roads were closed, including State Route 917. The Coast Guard closed the river to all boating traffic.				
CALLOWAY COUNTY --- HAMLIN [36.60, -88.07], 5.9 SE NEW CONCORD [36.50, -88.06], 6.7 ESE NEW CONCORD [36.50, -88.04], 2.4 NNE HAMLIN [36.63, -88.06], 3.9 ENE FAXON [36.71, -88.09], 2.9 ENE FAXON [36.70, -88.11]				
	05/06/10 14:00 CST		20K	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Emergency Manager
High water levels on Kentucky Lake caused flooding of lakeshore docking facilities, boat ramps, and lake access roads. Marinas were closed, and some docks were damaged. Water backed up into bays and tributary creeks, causing flooding inland from the lake. The Coast Guard closed much of the lake to recreational boating.				
LIVINGSTON COUNTY --- 1.4 S LAKE CITY [37.01, -88.25], 1.6 WNW GRAND RIVERS [37.01, -88.26], 1.1 S GRAND RIVERS [36.98, -88.23], 0.8 S GRAND RIVERS [36.99, -88.23]				
	05/06/10 14:00 CST		5K	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Emergency Manager
High water levels on Kentucky Lake caused flooding of a marina, boat ramps, and lake access roads. Water backed up into bays and tributary creeks, causing flooding inland from the lake. Large parts of Kentucky Lake were closed to recreational boating by order of the Coast Guard.				
LYON COUNTY --- 2.6 E EUREKA [37.01, -88.17], 3.9 SSW CARMACK [36.97, -88.16], 1.5 ENE CARMACK [37.03, -88.09], 2.3 NNW MONT [36.98, -88.06], 2.7 W CONFEDERATE [36.99, -88.03], 0.4 NE EDDYVILLE [37.05, -88.07]				

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/06/10 14:00 CST		15K	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Emergency Manager

High water levels on Lake Barkley caused flooding of marinas, boat ramps, and lake access roads. Sandbagging was needed to protect a building at the Kuttawa Harbor Marina. All marinas on the lake were closed. Lake Barkley was closed to recreational boating by order of the Coast Guard. Water backed up into bays and tributary creeks, causing flooding inland from the lake. Most trails, roads, and camping facilities in the Land Between The Lakes National Recreation Area were closed.

LYON COUNTY --- 7.4 WSW MONT [36.90, -88.17], 6.3 WSW MONT [36.92, -88.16], 2.9 S EUREKA [36.98, -88.22], 3.5 S EUREKA [36.97, -88.23]				
	05/06/10 14:00 CST		5K	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Emergency Manager

High water levels on Kentucky Lake caused flooding of lakeshore docking facilities, boat ramps, and lake access roads. Hillman Ferry Campground within the Land Between The Lakes National Recreation Area experienced considerable flooding. Dozens of campsites were underwater, and a couple of roads were inundated. Water backed up into bays and tributary creeks, causing flooding inland from the lake. Most trails, roads, and camping facilities in the Land Between The Lakes National Recreation Area were closed. Large parts of the lake were closed to recreational boating per order of the Coast Guard.

MARSHALL COUNTY --- 1.5 SSE AURORA [36.76, -88.12], 1.1 SSW AURORA [36.77, -88.14], 2.5 NE FAIRDEALING [36.88, -88.20], 2.1 S GILBERTSVILLE [36.99, -88.29], 2.5 SSE GILBERTSVILLE [36.99, -88.26], 3.6 ENE FAIRDEALING [36.88, -88.17]				
	05/06/10 14:00 CST		30K	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Public

High water levels on Kentucky Lake caused flooding of lakeshore docking facilities, boat ramps, and lake access roads. Many lakeshore resorts and campgrounds were closed due to flooding of their facilities. Marinas on the lake were closed, and some docks were damaged. Kentucky Dam Village State Resort Park experienced flooding of low-lying areas, including breakwaters. The Coast Guard closed parts of Kentucky Lake to all recreational boating.

TRIGG COUNTY --- 0.8 SW CANTON [36.79, -87.96], 1.9 NNE GOLDEN POND [36.80, -88.00], 1.4 S LAUREL FURNACE [36.68, -87.98], 0.3 SSW LINTON [36.68, -87.90]				
	05/06/10 14:00 CST		15K	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Emergency Manager

High water levels on Lake Barkley caused flooding of marinas, boat ramps, and lake access roads. At Lake Barkley Marina, there was considerable damage to docks. Nine or ten roads were closed in the Linton area. A few houses in the Linton area were isolated by the swollen lake. No homes were threatened, but some lakeside residents were forced to detour around flooded roads. Water backed up into bays and tributary creeks, causing flooding inland from the lake. Most trails, roads, and camping facilities in the Land Between The Lakes National Recreation Area were closed. The lake was closed to recreational boating by order of the Coast Guard.

TRIGG COUNTY --- 4.1 WSW LAUREL FURNACE [36.68, -88.05], 2.3 NNW FENTON [36.81, -88.12], 3.2 NW FENTON [36.81, -88.14], 5.3 WSW LAUREL FURNACE [36.68, -88.07]				
	05/06/10 14:00 CST		0	Flood (due to Heavy Rain)
	05/08/10 11:00 CST		0	Source: Emergency Manager

High water levels on Kentucky Lake caused flooding of lakeshore docking facilities, boat ramps, and lake access roads. Water backed up into bays and tributary creeks, causing flooding inland from the lake. Most trails, roads, and camping facilities in the Land Between The Lakes National Recreation Area were closed. The Coast Guard closed large parts of Kentucky Lake to recreational boating.

Record rainfall amounts of around 12 inches fell within 48 hours across parts of middle Tennessee. This rainfall resulted in record or near record stages on parts of the Cumberland River and Tennessee River, which flow into Lake Barkley and Kentucky Lake. Combined with the heavy rainfall across western Kentucky, record inflow poured into Kentucky Lake and Lake Barkley. Releases from Kentucky Dam and Barkley Dam were dramatically increased to compensate for the record inflow. Cumberland River elevations rose over 20 feet behind Barkley Dam as releases from the dam peaked at 303,000 cfs, surpassing the previous record. This caused flash flooding of communities below the dam. Releases were tapered down on the 5th as inflow into the lakes began slowing down. Inflow was still enough that pool levels above the dams (the lake stages) rose to near record levels. Lake levels rose to nearly 369 feet, almost 10 feet above the normal summer pool stage. There was widespread damage to docks and boat ramps along both lakes.

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Photo taken on the Cumberland River less than one-half mile from Barkley Dam on May 4. Part of the dam structure is visible on upper right part of photo. Photo courtesy of Mike York, forecaster, NWS Paducah.

CHRISTIAN COUNTY --- 1.0 SE HOPKINSVILLE [36.84, -87.47]

05/14/10 08:37 CST	0	Hail (0.75 in)
05/14/10 08:37 CST	0	Source: Trained Spotter

CHRISTIAN COUNTY --- FT CAMPBELL AAF [36.67, -87.50], 1.0 SW ST ELMO [36.69, -87.39]

05/14/10 10:49 CST	0	Hail (2.00 in)
05/14/10 10:52 CST	0	Source: Trained Spotter

Hail measuring two inches in diameter occurred at Fort Campbell and in the vicinity of Oak Grove.

CHRISTIAN COUNTY --- 1.5 WSW OAK GROVE [36.66, -87.45]

05/14/10 10:51 CST	0	Thunderstorm Wind (EG 52 kt)
05/14/10 10:51 CST	0	Source: Amateur Radio

An amateur radio operator on the northeast side of Fort Campbell estimated a wind gust to 60 mph.

CHRISTIAN COUNTY --- PEMBROKE [36.78, -87.35]

05/14/10 11:10 CST	0	Funnel Cloud
05/14/10 11:10 CST	0	Source: Trained Spotter

CHRISTIAN COUNTY --- 3.5 SW HONEY GROVE [36.85, -87.35]

05/14/10 11:25 CST	0	Hail (2.75 in)
05/14/10 11:25 CST	0	Source: Trained Spotter

Hailstones up to baseball size were reported on U.S. Highway 68 at State Route 1027.

CHRISTIAN COUNTY --- 1.0 SW ST ELMO [36.69, -87.39]

05/14/10 11:30 CST	0	Hail (2.50 in)
05/14/10 11:35 CST	0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail ranged from marble size to tennis-ball size near Oak Grove.				
CALLOWAY COUNTY --- 2.7 ENE MURRAY ARPT [36.69, -88.33], ALMO [36.70, -88.27]				
	05/14/10 13:09 CST		0	Hail (2.50 in)
	05/14/10 13:15 CST		0	Source: Emergency Manager

Half-dollar to golf-ball size hail occurred about four miles north of Murray. Tennis-ball size hail fell at Almo.

Isolated severe storms developed along a cold front as it moved southeast across western Kentucky.

GRAVES COUNTY --- DUBLIN [36.73, -88.80]				
	05/16/10 19:40 CST		35K	Lightning
	05/16/10 19:40 CST		0	Source: Newspaper

A bolt of lightning struck a large oak tree over a hundred years old. The tree crashed onto three vehicles parked in a driveway. A full-size pickup truck was totalled, another older truck was extensively damaged, and a sports car was heavily damaged. Phone lines were taken down by the tree.

A stratiform area of rain and embedded thunderstorms occurred north of an area of intense convection over northwest Tennessee.

TRIGG COUNTY --- 5.0 WSW CADIZ [36.84, -87.90]				
	05/21/10 13:49 CST		0	Hail (0.75 in)
	05/21/10 13:49 CST		0	Source: Trained Spotter

TRIGG COUNTY --- 2.6 S CADIZ [36.83, -87.82]				
	05/21/10 14:09 CST		0	Funnel Cloud
	05/21/10 14:09 CST		0	Source: Trained Spotter

The funnel cloud was reported over Highway 272.

Isolated thunderstorms formed ahead of a cold front as it moved east across the Mid Mississippi Valley.

(KY-Z009) CALLOWAY, (KY-Z012) TRIGG, (KY-Z017) CHRISTIAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD				
	05/22/10 03:00 CST		0	Dense Fog
	05/22/10 06:00 CST		0	

Weak high pressure over the region, combined with moist ground and light winds, resulted in areas of dense fog over southern parts of the Pennyrile region of western Kentucky. Visibility was one-quarter mile or less along and south of a line from Greenville to Murray.

GRAVES COUNTY --- 2.0 S PILOT OAK [36.52, -88.72]				
	05/23/10 14:35 CST		0	Hail (1.25 in)
	05/23/10 14:35 CST		0	Source: Trained Spotter

Hailstones ranged from pea to half-dollar size.

Isolated thunderstorms formed in a hot and very unstable atmosphere under a mid-level high. A thunderstorm pulsed up to severe levels due to the strong instability.

LIVINGSTON COUNTY --- BURNA [37.25, -88.37]				
	05/24/10 13:11 CST		0	Hail (1.00 in)
	05/24/10 13:11 CST		0	Source: Emergency Manager

LIVINGSTON COUNTY --- TILINE [37.18, -88.27]				
	05/24/10 13:50 CST		0	Hail (0.75 in)
	05/24/10 13:50 CST		0	Source: Emergency Manager

A storm pulsed up to severe levels as daytime heating contributed to a strongly unstable atmosphere in the afternoon. Most of the storm development was initiated by outflow boundaries. A mid-level high was positioned over the Mississippi Valley.

DAVISS COUNTY --- 2.4 SW DOYLE [37.72, -87.10]				
	05/27/10 12:25 CST		0	Hail (0.88 in)
	05/27/10 12:25 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Nickel-size hail occurred on the south side of Owensboro near the Highway 60 by-pass.				
CALDWELL COUNTY --- PRINCETON [37.12, -87.87]				
	05/27/10 13:15 CST		0	Hail (0.75 in)
	05/27/10 13:15 CST		0	Source: Trained Spotter
CALDWELL COUNTY --- 1.3 W BLACK HAWK [36.97, -87.89]				
	05/27/10 13:18 CST		0	Hail (1.00 in)
	05/27/10 13:18 CST		0	Source: NWS Employee
Quarter-size hail was reported by a National Weather Service employee at the 55-mile marker on Interstate 24.				
MARSHALL COUNTY --- 2.6 NE FAIRDEALING [36.88, -88.20], 3.0 NE FAIRDEALING [36.88, -88.19]				
	05/27/10 14:30 CST		0.20M	Thunderstorm Wind (EG 70 kt)
	05/27/10 14:30 CST		0	Source: NWS Storm Survey
A marina and campground along Kentucky Lake sustained moderate to major damage from a microburst. One houseboat sank, and several other boats were damaged. The bow of a sailboat was wedged under a dock, and a pontoon boat broke away from its slip. Three piers were heavily damaged. Roofing material was blown off a restaurant, mainly on one side of the building. The canopy of an outdoor seating area was blown down. One of the marina's gas pumps was left partially underwater. Waves estimated about five feet high caused some of the damage. The damage area was about one mile long and one-quarter mile wide.				
A few strong to severe storms occurred as daytime heating contributed to strong instability ahead of a southward-moving disturbance in the mid levels of the atmosphere.				
MISSOURI, Southeast				
BOLLINGER COUNTY --- 1.0 ENE MARBLE HILL [37.31, -89.95], 0.9 NE MARBLE HILL [37.31, -89.96], 0.4 NNW MARBLE HILL [37.31, -89.97], 0.3 ESE MARBLE HILL [37.30, -89.97]				
	05/01/10 00:00 CST		0	Flash Flood (due to Heavy Rain)
	05/01/10 01:30 CST		0	Source: Law Enforcement
Highway 34 was covered with at least three to four inches of water. Several streets were covered with running water. Hurricane Creek was out of its banks.				
Thunderstorms persisted from the evening of the 30th into the wee hours of the 1st ahead of an eastward moving cold front over the Ozark Mountains. Strengthening mid-level winds ahead of a strong shortwave trough over the central Plains aided storm development. Moderate instability combined with abundant moisture produced isolated excessive rainfall as the storms spread northeastward.				
CAPE GIRARDEAU COUNTY --- 1.5 ENE GULF JCT [37.28, -89.52], 1.2 ENE GULF JCT [37.28, -89.53], 0.7 SE CAPE GIRARDEAU [37.29, -89.52], 0.9 SE CAPE GIRARDEAU [37.29, -89.52]				
	05/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	05/04/10 17:00 CST		10K	Source: River/Stream Gage
Minor flooding of agricultural bottomlands and woods occurred along the Mississippi River at Cape Girardeau. The Mississippi River backed into several creeks, producing flooding of farm fields.				
NEW MADRID COUNTY --- 1.6 SW NEW MADRID [36.58, -89.55], 0.9 SE HOWARDVILLE [36.57, -89.57], 2.2 WSW LINDA [36.41, -89.59], 0.9 SSE LINDA [36.41, -89.55]				
	05/05/10 08:00 CST		0	Flood (due to Heavy Rain)
	05/15/10 18:00 CST		10K	Source: River/Stream Gage
Minor flooding occurred along the Mississippi River near New Madrid. Mainly bottomland fields were affected. Highway 162 was closed in the river bottoms south of New Madrid.				
A large storm system developed over the central Plains, bringing several rounds of very heavy rain to the region between April 30th and May 2nd. The Mississippi River flooding that occurred below its confluence with the Ohio River was due to large volumes of water coming down the Ohio from the Tennessee Valley. Record rainfall occurred in parts of the Tennessee Valley in early May.				
BUTLER COUNTY --- 5.8 WSW HENDRICKSON [36.87, -90.58], 5.3 WSW HENDRICKSON [36.88, -90.57]				
	05/01/10 21:00 CST		1K	Tornado (EF0, L: 0.47 mi , W: 175 yd)
	05/01/10 21:01 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Peak winds in this brief tornado in the Mark Twain National Forest were estimated near 80 mph. Several large trees were down along County Road 410.				
A surface cold front extended from the Chicago area southwestward across the eastern fringes of the St. Louis area to a weak low pressure center over southeast Missouri. The low ejected northeast across southern and eastern Illinois, with the trailing cold front moving east across the Lower Ohio Valley. An isolated severe thunderstorm moved east-northeastward across southeast Missouri, producing a brief tornado north of Poplar Bluff.				
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(MO-Z087) CAPE GIRARDEAU, (MO-Z111) SCOTT	05/03/10 02:00 CST	0		Dense Fog
	05/03/10 06:00 CST	0		
A weak ridge of high pressure extended from Illinois and Indiana southward across the Tennessee Valley. The combination of wet ground, calm winds, and clear skies produced areas of dense fog. Visibility was reduced to one-quarter mile or less at many locations in the Cape Girardeau area.				
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CAPE GIRARDEAU COUNTY --- 1.1 SE GULF JCT [37.26, -89.53], 1.5 ESE GULF JCT [37.26, -89.53], 1.0 SSE CAPE GIRARDEAU [37.29, -89.52], 1.1 S CAPE GIRARDEAU [37.28, -89.53]				
	05/15/10 14:00 CST	0		Flood (due to Heavy Rain)
	05/31/10 23:59 CST	20K		Source: River/Stream Gage
Moderate flooding occurred along the Mississippi River at Cape Girardeau. The flood gates on Broadway and on Themis Street were closed. Agricultural bottomlands were flooded. River access roads and parks were closed and flooded.				
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PERRY COUNTY --- 0.4 ESE WITTENBURG [37.65, -89.52], 0.2 NNE WITTENBURG [37.65, -89.53], 1.0 W WITTENBURG [37.65, -89.55], 1.0 WSW WITTENBURG [37.64, -89.55]				
	05/15/10 14:00 CST	0		Flood (due to Heavy Rain)
	05/30/10 14:00 CST	0		Source: Newspaper
Moderate flooding of the Mississippi River occurred. Highway A was closed between County Roads 460 and 447. Bottomland fields and woods were inundated.				
Several cold fronts passed across the region in late May, helping to touch off scattered thunderstorms. A few of these storms were nearly stationary and caused heavy rainfall. Heavy rain in the upper portions of the Mississippi River basin contributed to flooding downriver.				
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SCOTT COUNTY --- BENTON [37.10, -89.57]				
	05/24/10 12:50 CST	0		Hail (1.00 in)
	05/24/10 12:50 CST	0		Source: Law Enforcement
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SCOTT COUNTY --- 1.0 N CHAFFEE [37.19, -89.67]				
	05/24/10 13:10 CST	25K		Thunderstorm Wind (EG 56 kt)
	05/24/10 13:10 CST	0		Source: Emergency Manager
An older barn collapsed. The roof of a newer barn partially collapsed. Tree limbs were blown down. Minor damage occurred to two houses, one of which was under construction. The damage was located on Highway 77 near the Cape Girardeau County line.				
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WAYNE COUNTY --- GREENVILLE [37.13, -90.47]				
	05/24/10 14:51 CST	0		Hail (0.75 in)
	05/24/10 14:51 CST	0		Source: Emergency Manager
A few storms pulsed up to severe levels as daytime heating contributed to a strongly unstable atmosphere in the afternoon. Most of the storm development was initiated by outflow boundaries. A mid-level high was positioned over the Mississippi Valley.				